



PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION IIII IPIR NUMBER 20

OAK SUPPLEMENT PART XIV

23 JULY - 10 AUGUST 1970

Handle via Talent-Keyhole Channels Only

TOP SECRET

TCS-20423/70
SEPTEMBER 1970
COPY NO 117
31 PAGES
OAK-197/70

GROUP 1: EXCLUDED FROM AUTOMATIC DOWNGRADING

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WARNING

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TARGET CATEGORIES AND ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)
Missile Ranges: Air-Launched Missile Facilities (Q)
Missile Ranges: Naval-Launched Missile Facilities (R)
Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B) Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (0)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J) General Purpose Weapons Industrial Facilities (L)

Non -Military Industrial Facilities (N)

Non-Military Industrial Facilities (N) Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M) Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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TCS 20423/70 - IPIR 20 KH-4 MISSION 1111 PREFACE

PREFACE

THIS IS THE FOURTEENTH OAK SUPPLEMENT REPORT ON MISSION 1111. FOR ADDITIONAL PREFACE DETAILS, SEE FIRST OAK SUPPLEMENT.

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SOVIET UNION DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

SVOBODNYY ICBM COMPLEX
25X1D

25X1A

51-52- N 128-16- E

STATUS: OPERATIONAL

REMARKS:

ONLY LAUNCH SITES 25K, 26K, 29K, 36K, 37K, 40L, 41L, 45L, 49L, 50L, 51L, 52L, 54L, 55L, AND 56L WERE OBSERVED. ON AT 25X1D LAUNCH SITE 40L, APPROXIMATELY NINE VEHICLES OR PIECES OF EQUIPMENT WERE PARKED JUST SOUTH OF THE LAUNCH SITE. NO OTHER ACTIVITY WAS OBSERVED.

25X1D

UZHUR ICBM COMPLEX

25X1A

25X1D

25X1D

55-15- N 089-30-

25X1D

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED. THIS
INCLUDES LAUNCH SITES 60J AND 61J
AND REPORTED IN THE OAK. THESE TWO LAUNCH SITES MADE THE FULL
COMPLEMENT OF SIX LAUNCH SITES IN THE J GROUP. ALL SIX SITES IN
LAUNCH GROUP I ARE NOW CONSIDERED TO BE COMPLETE. THIS MAKES
NINE OF THE TEN LAUNCH GROUPS COMPLETE AT THIS COMPLEX. NO
SIGNIFICANT VEHICLE ACTIVITY WAS OBSERVED IN THE COMPLEX.

25X1D

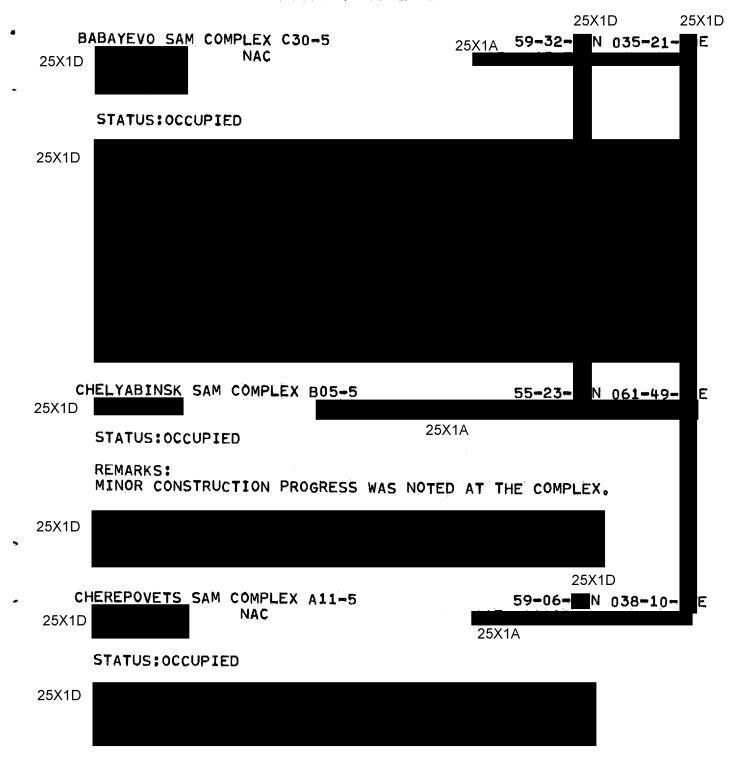
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SOVIET UNION AIR DEFENSE MISSILES

SIGNIFICANT RESULTS



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25X1D

25X1D

25X1D

CHERNOVTSY SAM COMPLEX CO1-5

48-45-N 026-02-E

25X1D

25X1A

STATUS: OCCUPIED

REMARKS:

CONTINUING CONSTRUCTION ACTIVITY WAS NOTED AT THE COMPLEX. REVETMENT CONSTRUCTION HAD PROGRESSED AT SITE C. THREE LARGE BUILDINGS ARE COMPLETE AND A FOURTH WAS UNDER CONSTRUCTION IN THE SUPPORT FACILITY.



25X1D

56-41-WN 043-28-WE

25X1D

GORKIY SAM COMPLEX C33-5

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:

25X1D

25X1D

CONSTRUCTION HAS PROGRESSED SIGNIFICANTLY SINCE MISSION 25X1D REVETMENTS WERE COMPLETED AT ALL 12 LAUNCH POSITIONS. A CONTROL CENTER WAS UNDER CONSTRUCTION AT LAUNCH SITE B. TWO RADAR MOUNDS AND A CONTROL CENTER WERE NEARLY COMPLETE AT THE TRACKING AND GUIDANCE FACILITY. ROAD GRADING AND PREPARATION

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SOVIET UNION AIR DEFENSE MISSILES

FOR FUEL AND OXIDIZER PADS WERE EVIDENT AT THE MISSILE-HANDLING FACILITY. THREE BARRACKS WERE EXTERNALLY COMPLETE IN THE SUPPORT FACILITY. CONSTRUCTION ON AT LEAST TWO OTHER BUILDINGS WAS OBSERVED. FOUR RADAR MOUNDS WERE COMPLETE AND OCCUPIED IN THE AIR WARNING RADAR FACILITY. ROAD AND CABLE SCARRING WERE EVIDENT THROUGHOUT THE UNOCCUPIED COMPLEX.



25X1D 25X1A

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25X1D 25X1D 25X1D N 041-37-KOSTROMA SAM COMPLEX D04-5 58-13-25X1D 25X1A STATUS: OCCUPIED **REMARKS:** ONLY A SLIGHT AMOUNT OF CONSTRUCTION WAS NOTED. 25X1D MAGNITOGORSK SAM COMPLEX B09-5 53-26-N 059-22-25X1D 25X1A

STATUS: UNDER CONSTRUCTION

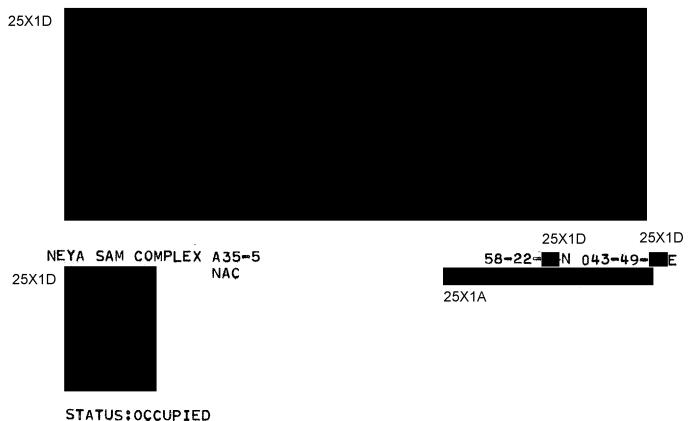
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SOVIET UNION AIR DEFENSE MISSILES

REMARKS:

BOTH LAUNCH SITES AND THE TRACKING AND GUIDANCE FACILITY WERE NEARLY COMPLETE. NO LAUNCHERS OR RADARS HAVE BEEN INSTALLED. THE AIR WARNING RADAR FACILITY AT 53-22-10 059-03-10 WAS NEARLY COMPLETE AND WAS OCCUPIED. 25X1D 25X1D





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SOVIET UNION AIR DEFENSE MISSILES

INTERPRETABILITY COMPLETELY COVERED THE TARGET.

25X1D 25X1D 55-53-10 039-37-10 E

OREKHOVO-ZUYEVO SAM COMPLEX CO8A-5

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:

THE COMPLEX REMAINED UNOCCUPIED. NO SIGNIFICANT CONSTRUCTION PROGRESS WAS OBSERVED IN THE AREA OF LAUNCH SITE C.



25X1D 25**7-23-10** 028-13-

25X1D

OSTROV SAM COMPLEX A33-5

25X1A

25X1D

STATUS: UNDER CONSTRUCTION

REMARKS:

CONSTRUCTION OF THE COMPLEX HAS ADVANCED SIGNIFICANTLY SINCE

REVETMENT WALLS HAVE BEEN CONSTRUCTED AROUND EACH LAUNCH POSITION AT SITE A AND SITE B. EQUIPMENT WAS PRESENT IN AT LEAST THREE LAUNCH POSITIONS AT SITE A AND FOUR POSITIONS AT SITE B. CONSTRUCTION HAS NOT STARTED ON A THIRD LAUNCH SITE. TWO RADAR MOUNDS HAVE BEEN CONSTRUCTED IN THE TRACKING AND GUIDANCE FACILITY. RADAR MOUND A APPEARED TO BE

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SOVIET UNION AIR DEFENSE MISSILES

OCCUPIED. ROAD SCARRING WAS EVIDENT FOR THE MISSILE-HANDLING FACILITY. ONE MISSILE STORAGE BUILDING APPEARED TO BE EXTERNALLY COMPLETE. AT LEAST FIVE BUILDINGS HAVE BEEN CONSTRUCTED IN THE SUPPORT FACILITY. NO AIR WARNING RADAR FACILITY FOR THIS COMPLEX HAS BEEN IDENTIFIED.

25X1D

PERM SAM COMPLEX A07-5 25X1A 58-05-1 N 056-30-1 E

STATUS: OCCUPIED

REMARKS:

25X1D

ONLY A SMALL AMOUNT OF CONSTRUCTION PROGRESS WAS NOTED IN THE LAUNCH AREA. IN THE TRACKING AND GUIDANCE FACILITY, ONE OF THE TWO SQUARE PAIR RADARS HAD BEEN REMOVED FROM THE RADAR MOUND.



PERM SAM SUPPORT FACILITY
25X1D

58-03-10 N 056-24-10 E
25X1A

STATUS: OPERATIONAL

25X1D

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SOVIET UNION AIR DEFENSE MISSILES

25X1D



TIKHVIN SAM COMPLEX A33-5

25X1A

59-43-N 033-23-

25X1D

STATUS: OCCUPIED

REMARKS:

25X1D BY LAUNCHERS HAD BEEN INSTALLED AT ALL LAUNCH POSITIONS IN SITE C AND MISSILE DOLLY TRACKS WERE PRESENT AT LAUNCH POSITION C3. THE MISSILE STORAGE BUILDING PREVIOUSLY REPORTED UNDER CONSTRUCTION AT THE MISSILE-HANDLING FACILITY, AND A SECOND MISSILE STORAGE BUILDING, WERE EXTERNALLY COMPLETE.



25X1D

25X1D

TOROPETS SAM COMPLEX A21-5

56-25- N 031-33-E

25X1D

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:

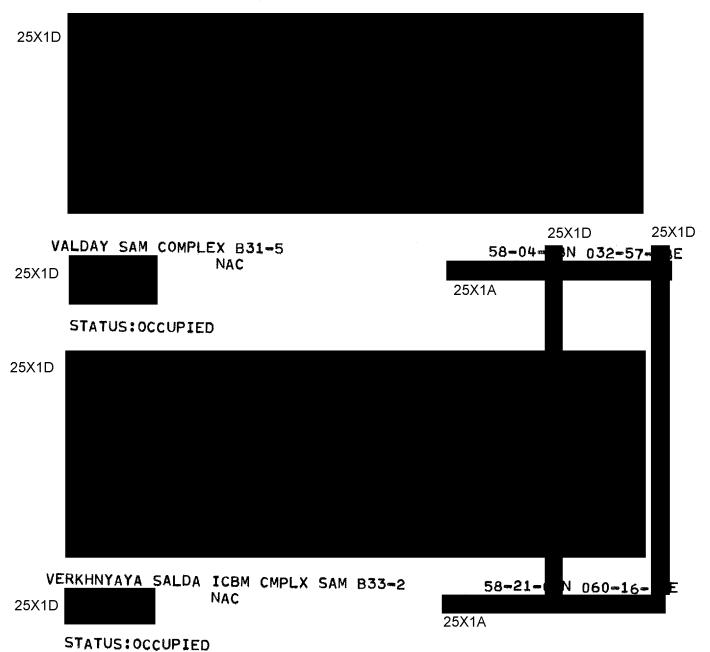
AT LAUNCH SITES B AND C. REVETMENT CONSTRUCTION WAS COMPLETE OR NEARLY COMPLETE AT ALL 12 POSITIONS. SITE CONTROL CENTERS ARE PROBABLY COMPLETE AT B AND C. AT SITE A. CONSTRUCTION WAS LESS ADVANCED. ROAD GRADING AND REVETMENT CONSTRUCTION AT ALL SIX POSITIONS WAS INCOMPLETE. CONSTRUCTION HAD NOT BEEN STARTED ON SITE CONTROL CENTER A. THE TRACKING AND GUIDANCE FACILITY

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SOVIET UNION AIR DEFENSE MISSILES

APPEARED COMPLETE. BOTH THE LAUNCH AREA AND THE TRACKING AND GUIDANCE FACILITY WERE UNOCCUPIED ON ALL PASSES. NO EVIDENCE OF MISSILE HANDLING OR SUPPORT FACILITY CONSTRUCTION WAS NOTED. THE AIR WARNING RADAR FACILITY IS COMPLETE AND ALL FOUR RADAR MOUNDS WERE OCCUPIED.



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STATUS: OCCUPIED

SOVIET UNION AIR DEFENSE MISSILES

25X1D 25X1D VERKH-NEYVINSKIY SAM SUPPORT FACILITY 57-16-N 060-03-E NAC 25X1D 25X1A STATUS: OPERATIONAL 25X1D 25X1D 25X1D VOLOGDA SAM COMPLEX B15-5 59-04-N 040-06-NAC 25X1D 25X1A STATUS: OCCUPIED REMARKS: A PREVIOUSLY UNREPORTED ASSOCIATED AIR WARNING RADAR FACILITY 25X1D IS AT 59-08-WN 040-03-WE AND CONTAINS FOUR IN-LINE OCCUPIED RADAR MOUNDS. 25X1D 25X1D 25X1D 25X1D ZAPOROZHYE SAM COMPLEX B13-5 47-42-N 035-25-25X1D 25X1A

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BUT DOLLY TRACKS HAD NOT BEEN INSTALLED BY

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SOVIET UNION AIR DEFENSE MISSILES

REMARKS:

DOLLY TRACKS WERE IN PLACE AT ALL SIX LAUNCH POSITIONS OF SITE A. EACH POSITION OF LAUNCH SITE A WAS OCCUPIED AS WERE BOTH RADAR MOUNDS IN THE TRACKING AND GUIDANCE FACILITY ON

ALL SIX LAUNCH POINTS AT SITE B WERE PROBABLY OCCUPIED,

25X1D

25X1D

* 25X1D

25X1D

25X1D

BEEN COMPLETED ALONG THE ROAD CONNECTING LAUNCH SITE B TO THE TRACKING AND GUIDANCE FACILITY. A SECOND BUILDING HAD BEEN CONSTRUCTED NEAR THE SECURITY FENCE ON THE WEST SIDE OF THE COMPLEX. IN THE MISSILE-HANDLING FACILITY, CONSTRUCTION HAS PROGRESSED ON ONE MISSILE STORAGE BUILDING AND TWO PROPELLANT STORAGE PADS. FOUR LARGE BUILDINGS REMAINED UNDER CONSTRUCTION IN THE SUPPORT FACILITY. AT LEAST THREE RADAR MOUNDS IN THE AIR WARNING RADAR FACILITY WERE OCCUPIED.

25X1D

OTHER RESULTS-NO APPARENT CHANGE

KALININ SAM TRAINING FACILITY A33-5

25X1D 25X1D 56=52=N 035=52=E

25X1A

STATUS: UNKNOWN

25X1D

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TALENT-KEYHOLE CONTROL SYSTEM ONLY

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SOVIET UNION INDUSTRY

SIGNIFICANT RESULTS

25X1D

25X1D

LENINGRAD EXPLOSIVES RSCH + PROD PLT

60-05-

N 030-29-E

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

TWO STORAGE TANKS, TWO SETTLING TANKS, AND A LONG, NARROW BUILDING HAVE BEEN ADDED TO THE MAINTENANCE AND SUPPORT AREA. CONSTRUCTION WAS CONTINUING ON THE ENGINEERING/TEST BUILDING IN THE NE CORNER OF THE PLANT.

25X1D

25X1D

25X1D

LENINGRAD HVY EQP PLT KR PUT KIROV 185

59-53-WN 030-14-WE

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION ACTIVITY WAS CONTINUING THROUGHOUT THE PLANT AT A IN THE WESTERN SECTION OF THE PLANT, THE LONG, VERY SLOW RATE. TWO-STORY BUILDING, THE SUPPORT-TYPE BUILDING, AND THE SQUARE, FOUR-STORY BUILDING APPEARED COMPLETE. ON I AT LEAST 25X1D 123 POSSIBLE DET-250 TRACTORS WERE OBSERVED IN THE PLANT. ON 25X1D

25X1D

ITHERE WERE AT LEAST 93 POSSIBLE DET-250 TRACTORS。

ASSOCIATED OBJECTS:

25X1D

123 POSS DET-250 TRACTORS (AT LEAST)

25X1D

93 POSS DET-250 TRACTORS (AT LEAST)

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